Performance Data Sheet

HGAB515BAA

General Information

Model	HGAB515BAA	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PTCS_CR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	8610			
	Watts (Power)				
	Amps	7.98			
	Lb/h	118			
-23.3	Btu/h	8850	9410		
	Watts (Power)				
	Amps	8.01	7.54		
	Lb/h	121	129		
-20	Btu/h	9350	9330		
	Watts (Power)				
	Amps	8.07	7.77		
	Lb/h	128	128		
-15	Btu/h	10200	9550	9960	
	Watts (Power)	216	306	407	
	Amps	8.16	8.12	9.29	
	Lb/h	140	131	136	
-10	Btu/h	11400	10200	9890	10500
	Watts (Power)	543	647	761	906
	Amps	8.20	8.43	9.82	11.4
	Lb/h	156	140	135	144
-6.7	Btu/h	12200	10900	10200	10300
	Watts (Power)	671	786	909	1060
	Amps	8.19	8.61	10.1	11.8
	Lb/h	167	150	140	141
-5	Btu/h	12700	11400	10500	10400
	Watts (Power)	714	835	964	1120
	Amps	8.17	8.68	10.3	12.0
	Lb/h	174	156	144	142
0	Btu/h	14400	13100	12000	11200
	Watts (Power)	769	909	1060	1230
	Amps	8.03	8.82	10.7	12.5
	Lb/h	197	179	164	154

5	Btu/h	16300	15300	14200	13200
	Watts (Power)	750	913	1080	1280
	Amps	7.75	8.83	10.9	13.0
	Lb/h	224	210	195	180
7.2	Btu/h	17300	16500	15500	14400
	Watts (Power)	729	902	1080	1290
	Amps	7.57	8.78	11.0	13.1
	Lb/h	237	226	212	197
10	Btu/h	18700	18200	17300	16200
	Watts (Power)	699	887	1080	1300
	Amps	7.29	8.67	11.0	13.2
	Lb/h	256	249	237	222
15	Btu/h	21500	21700	21300	20400
	Watts (Power)	657	872	1090	1340
	Amps	6.62	8.31	10.9	13.3
	Lb/h	294	298	292	279

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.830015E+04	1.779292E+02	2.182360E+01	2.507272E+02
C2	-8.917096E+01	-1.167602E+01	-2.774642E-01	-1.220344E+00
C3	-1.074719E+02	2.827999E+01	-1.062845E+00	-1.474880E+00
C4	-7.731622E+00	-1.644060E+00	-3.252157E-03	-1.059459E-01
C5	2.385540E+01	4.993222E-01	9.486939E-03	3.267457E-01
C6	-1.440583E+00	-3.933215E-01	2.506468E-02	-1.967656E-02
C7	5.805387E-02	5.534310E-02	-4.543956E-05	7.966356E-04
C8	4.811168E-01	5.515106E-03	1.341225E-05	6.590762E-03
C9	-2.950729E-01	-1.168400E-03	-5.347920E-05	-4.041711E-03
C10	2.117131E-02	3.585587E-03	-1.654575E-04	2.896126E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature